



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification 7 :</b> <b>B60R 21/20, 7/04, 11/02, 13/02, B60H</b> <b>1/24, B60R 13/10, 16/02, 21/04</b>	<b>A3</b>	<b>(11) International Publication Number:</b> <b>WO 00/03899</b>  <b>(43) International Publication Date:</b> 27 January 2000 (27.01.00)															
<b>(21) International Application Number:</b> PCT/US99/15831  <b>(22) International Filing Date:</b> 14 July 1999 (14.07.99)  <b>(30) Priority Data:</b> <table border="0"> <tr> <td>09/116,163</td> <td>16 July 1998 (16.07.98)</td> <td>US</td> </tr> <tr> <td>09/116,413</td> <td>16 July 1998 (16.07.98)</td> <td>US</td> </tr> <tr> <td>60/093,099</td> <td>16 July 1998 (16.07.98)</td> <td>US</td> </tr> <tr> <td>09/120,510</td> <td>22 July 1998 (22.07.98)</td> <td>US</td> </tr> <tr> <td>09/127,681</td> <td>31 July 1998 (31.07.98)</td> <td>US</td> </tr> </table> <b>(71) Applicant (for all designated States except US):</b> TEXTRON AUTOMOTIVE COMPAGNY INC. [US/US]; 750 Stephen- son Highway, Troy, MI 48083 (US).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> WANDYIEZ, Gloria, D. [US/US]; 983 Rivenoak, Birmingham, MI 48009 (US). GRAY, John, D. [US/US]; Box 279, Union, NH 03887 (US). DULETZKE, Scott, J. [US/US]; 39354 Charbeneau Street, Clinton Township, MI 48036 (US). GALLAGHER, Michael, J. [US/US]; 84 Golfview Drive, Manchester, NH 03102 (US). IANNAZZI, Peter, J. [US/US]; 15 Bloody Brook Road, Hampstead, NH 03841 (US). FARRINGTON, Scott, D. [US/US]; 13 King Pine Way, Kingston, NH 03848 (US).		09/116,163	16 July 1998 (16.07.98)	US	09/116,413	16 July 1998 (16.07.98)	US	60/093,099	16 July 1998 (16.07.98)	US	09/120,510	22 July 1998 (22.07.98)	US	09/127,681	31 July 1998 (31.07.98)	US	<b>(74) Agent:</b> SOLOWAY, Norman, P.; Hayes, Soloway, Hennessey, Grossman & Hage, 175 Canal Street, Manchester, NH 03101 (US).  <b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i>  <b>(88) Date of publication of the international search report:</b> 29 June 2000 (29.06.00)
09/116,163	16 July 1998 (16.07.98)	US															
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<b>(54) Title:</b> MOTOR VEHICLE INTERIOR COMPONENTS  <b>(57) Abstract</b>  A method of forming a motor vehicle instrument panel with a flexibly tethered air bag deployment door by molding first and second plastics materials is described. Also described is a vehicle passenger compartment console assembly including a console body having an outer shell and an access opening disposed in the console body outer shell, and having at least two storage modules disposed within the shell and sequentially movably supported between one or more concealed positions displaced from the access opening and a displayed position adjacent the access opening. Also described is an automotive headliner assembly which includes a substrate that is configured to mount to a vehicle in a position generally covering a lower surface of a passenger compartment roof. Cavities are integrally formed into the substrate between the upper substrate surface and the lower substrate surface to provide receptacles for electrical wiring, fiber optic cabling, EA foam and the like or to form a duct for directing air flow. Also described is an inflatable restraint assembly comprising a trim panel, an air bag door positioned spanning an air bag deployment opening in the trim panel, a frangible tear seam defining at least a portion of the air bag door, and a hard plastic collar is attached to the trim panel, wherein the air bag door is integrally formed with the hard plastic collar.																	

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# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/US 99/15831

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 B60R21/20 B60R7/04 B60R11/02 B60R13/02 B60H1/24 B60R13/10 B60R16/02 B60R21/04		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 B60R		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 395 668 A (ITO KEIZOU ET AL) 7 March 1995 (1995-03-07) column 2, line 33 -column 3, line 35; figures 1-5 ---	2-7
X	"37928 COMPOSITE DEPLOYMENT DOOR FOR A VEHICLE OCCUPANT RESTRAINT" RESEARCH DISCLOSURE, GB, INDUSTRIAL OPPORTUNITIES LTD. HAVANT, no. 379, page 733-734 XP000549194 ISSN: 0374-4353 the whole document ---	2,3
X	DE 44 37 773 C (DAIMLER BENZ AG) 26 October 1995 (1995-10-26) column 2, line 54 -column 3, line 29; figures --- -/-	4,5
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document relating to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art *Z* document member of the same patent family		
Date of the actual completion of the international search  22 March 2000		Date of mailing of the international search report  30 MAR 2000
Name and mailing address of the ISA European Patent Office, P.O. 5818 Patentaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tlx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  Dubois, B

## INTERNATIONAL SEARCH REPORT

 Int lional Application No  
 PCT/US 99/15831

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 771 695 A (EBERS & MUELLER FIBRIT) 7 May 1997 (1997-05-07) column 1, line 3 - line 10 column 2, line 22 - line 53; figures ---	4,5
X	DE 44 09 562 C (DAIMLER BENZ AG) 27 April 1995 (1995-04-27) the whole document ---	8-11
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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 99/15831

**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons

- 1 ☐ Claims Nos. . . . .  
because they relate to subject matter not required to be searched by this Authority, namely:
- 2 ☐ Claims Nos. . . . .  
because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
- 3 ☐ Claims Nos. . . . .  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 5.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

CLAIMS 1-3,6,7      CLAIMS 20,21  
CLAIMS 4,5  
CLAIMS 8-11  
CLAIMS 12-15  
CLAIMS 16-19

- 1 ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
- 2 ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
- 3 ☒ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.  
1-3,6,7      20-21  
4,5  
8-11  
16-19
- 4 ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.☒ No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**  
information on patent family members

International Application No  
PCT/US 99/15831

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